Capabilities Based Planning & Concepts

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Purpose & Agenda

Purpose

- To describe a coherent approach to linking concepts and capabilities within the framework of capabilities based planning.

Agenda

- Definition of CBP
- Levels of CBP
- Role of Joint Concepts
- Military Capabilities

Definitions

Definition

Capabilities Based Planning:

A method to inform decisions regarding DOD planning, resourcing, and operations that addresses uncertainty and risk through agile analysis of a broad spectrum of potential challenges and circumstances leading to competitive development of robust DoD capabilities achieved within an economic framework necessitating choice.

Levels of CBP

Force Employment Decisions

SecDef / CJCS

How to best ***manage and posture*** DOD assets to support ***national interests*** and mitigate ***risks***?

COCOMs

How to ***prepare*** joint forces for ***campaigns*** and ***operations***?

Joint Force Commanders

How to ***employ*** a joint force achieve desired ***objectives*** and ***effects***?

Force Development Decisions

SecDef / CJCS

What ***top-down investment guidance*** is needed to ensure DOD optimally addresses ***future strategic challenges***?

COCOMs

What ***range and depth of joint capabilities*** will my successors need?

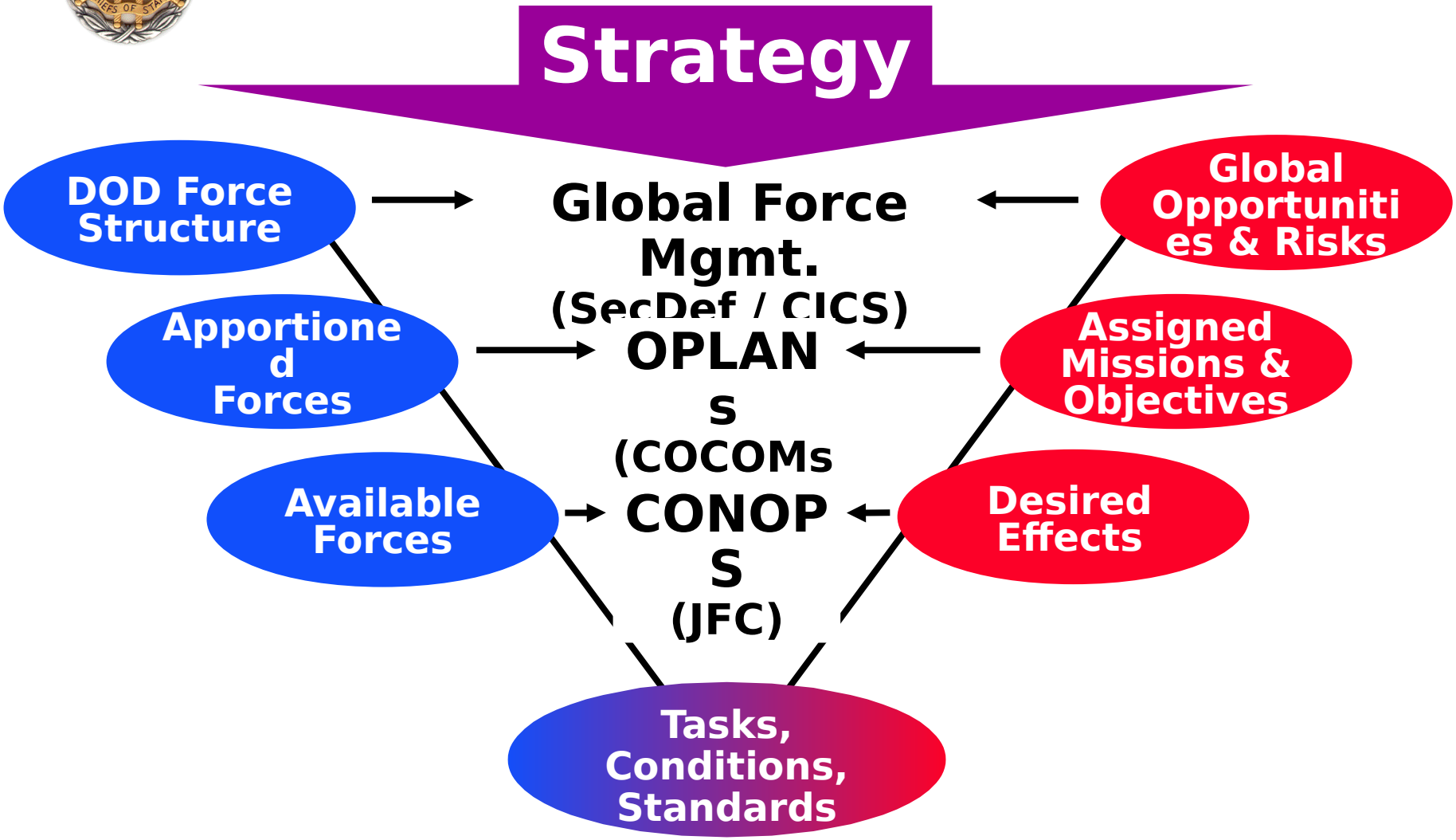
Services

DoD Agencies

SOCOM JFCOM

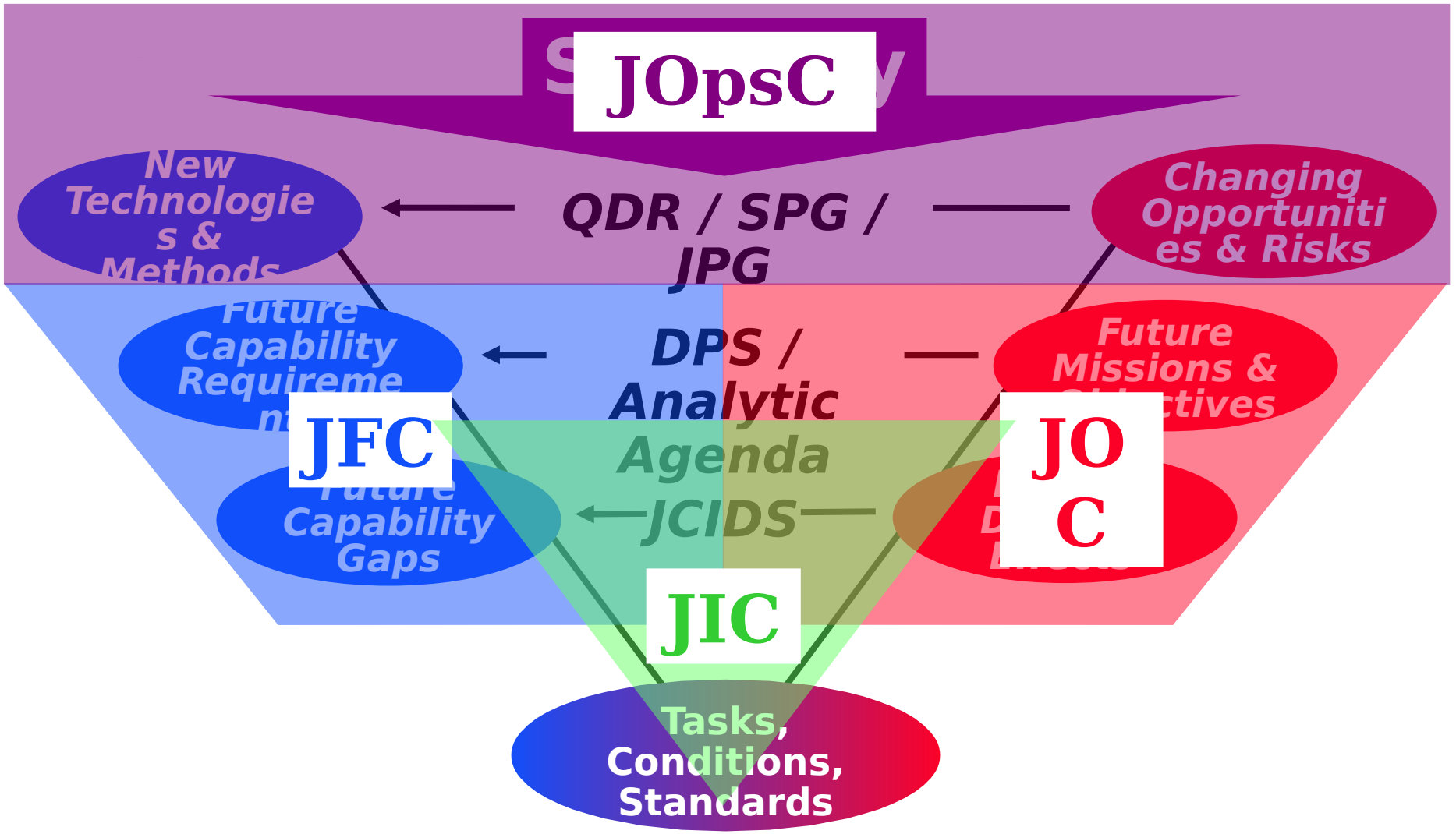
What are the ***achievable technologies, and methods*** of the future force?

Force Employment Planning: Solving for Today's Plans



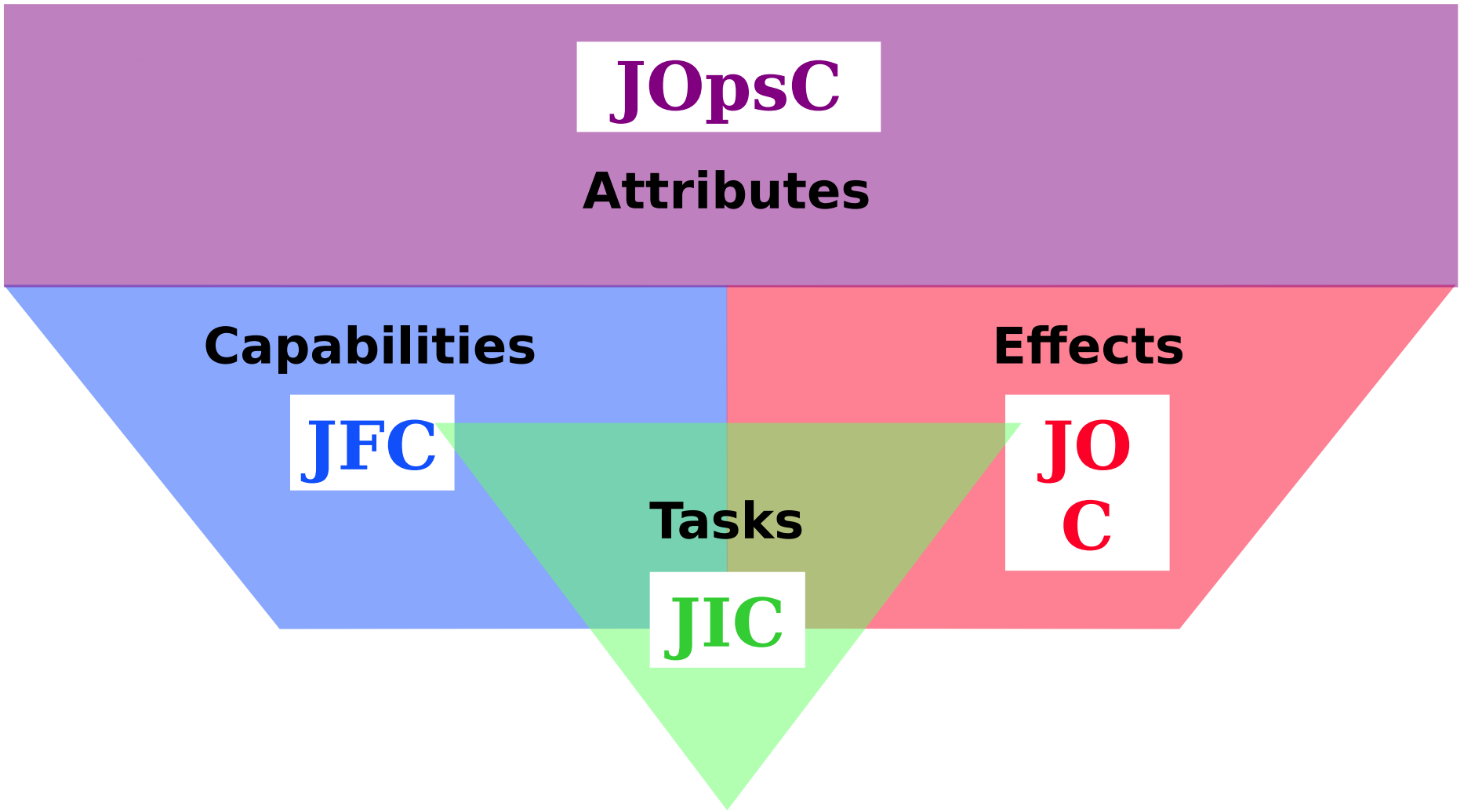
Force Employment Planning: Solving for Today's Plans

Force Development Planning: Solving for Future Capabilities



Means & Ways ← Assessment → Ends

Joint Concepts Emphases



Role of Joint Concepts

Joint Concept Development and Revision Plan

- **Updated guidance on Joint Family of Concepts**
  - **Definitions & Purpose**
  - **Topic Selection, Assignment and Approval**
  - **Development & Revision Responsibilities**
  - **Timelines**
  - **Currently awaiting SecDef signature**

- ***Joint Staff J7 is single OPR for all Joint Concepts (JOpsC, JOCs, JFCs, JICs)***

- ***JCDRP available at www.dtic.mil/jointvision***

Family of Joint Concepts

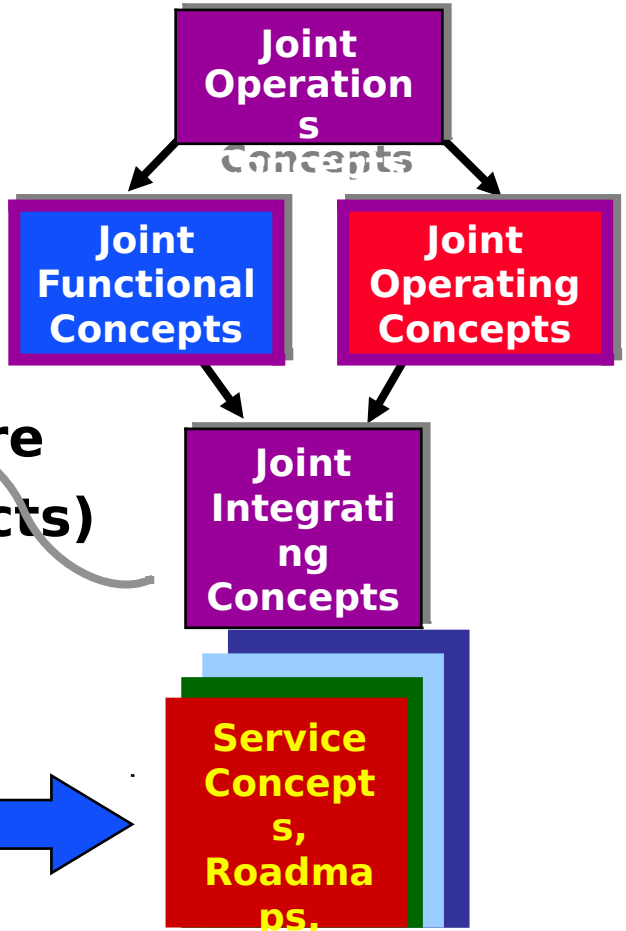
The Capabilities Based Approach depends upon joint concepts which must translate strategic guidance into "born joint" capabilities. Current focus is to develop 2010-20 capability needs with sufficient resolution to support rigorous analysis and inform both future joint force employment and future joint force development.

Strategic Guidance
NSS, QDR, NDS, CPG, TPG, SPG, JPG, NMS, DPS

Concept Elements

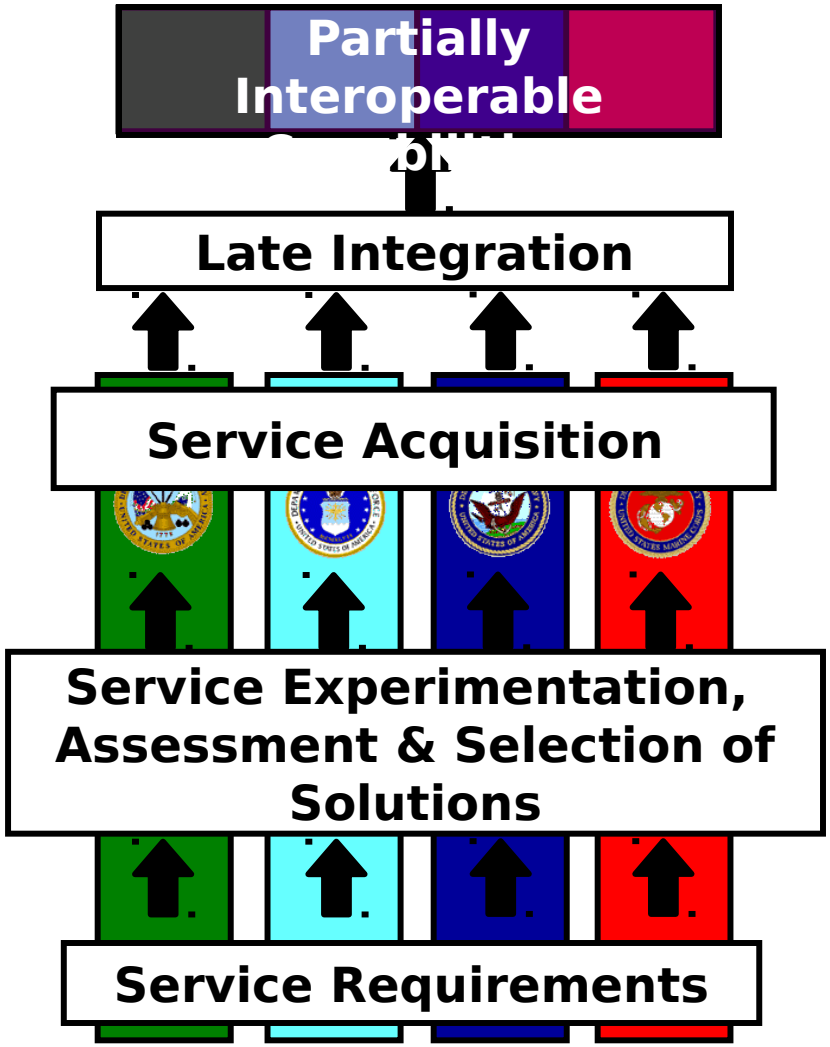
- Broad statement of how to operate in future
- Focus on operational ends (objectives/effects)
- Focus functional means (capabilities)
- Tasks & measures level of granularity

JCIDS, Analytic Agenda, OA Studies, Experimentation, Risk Assessments, PPBE, etc.

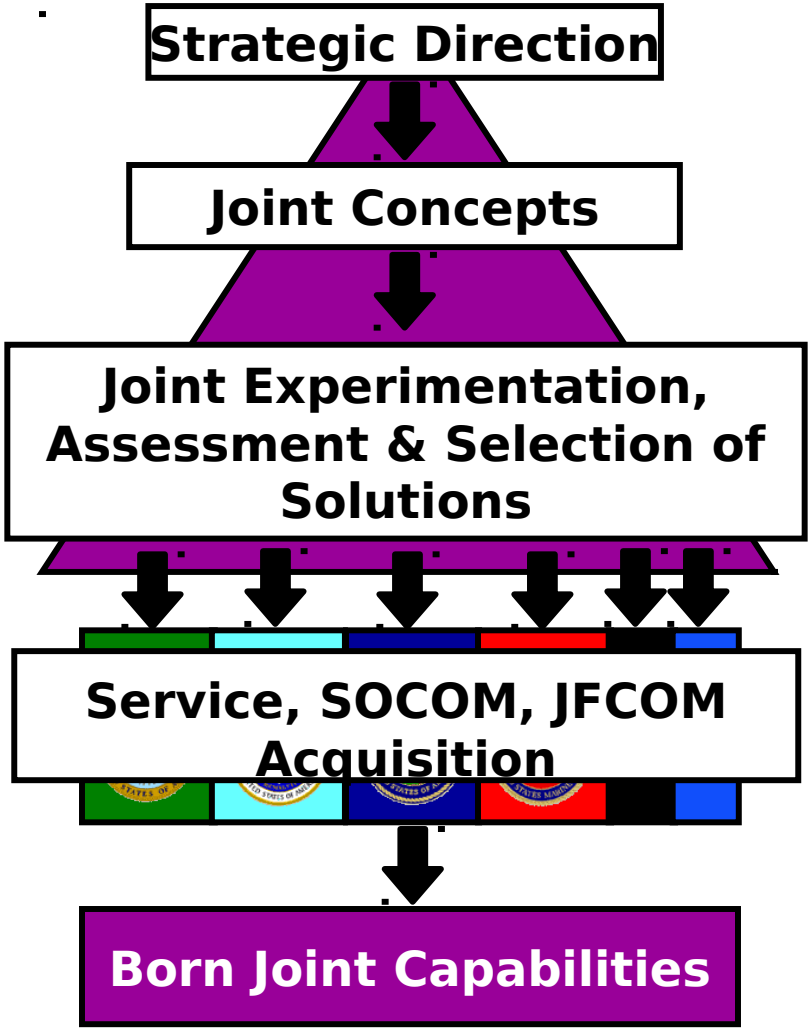


Capability Based Approach

Service Requirements Based



Joint Capabilities Based



Joint Operations Concepts (JOpsC)

Evolved Definition:

The JOpsC is an overarching description of how the joint force will operate 10-20 years in the future in all domains across the range of military operations within a multi-lateral environment in collaboration with interagency and multinational partners. It guides the development of future joint concepts and joint force capabilities. The JOpsC establishes the unifying framework for the family of joint concepts, the attributes and broad strategic and operational tasks for the future joint force, a campaign framework for future operations, the long-range focus for joint experimentation, and the conceptual foundation for unified action towards implementing the military aspects of national strategy.

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JCDRP

Joint Operating Concept (JOC)

Evolved Definition:

A JOC is an operational-level description of how a Joint Force Commander 10-20 years in the future will accomplish a strategic objective through the conduct of operations within a military campaign. This campaign links endstate, objectives, and desired effects necessary for success. The concept identifies broad principles and essential capabilities and provides operational context for JFC and JIC development and experimentation.

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JCDRP

Joint Functional Concept (JFC)

Evolved Definition:

A JFC is a description of how the joint force will perform a particular military function across the full range of military operations 10-20 years in the future. JFCs support the JOpsC and JOCs and draw operational context from them. JFCs identify required capabilities and attributes, inform JOCs, and provide functional context for JIC development and joint experimentation.

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JCDRP

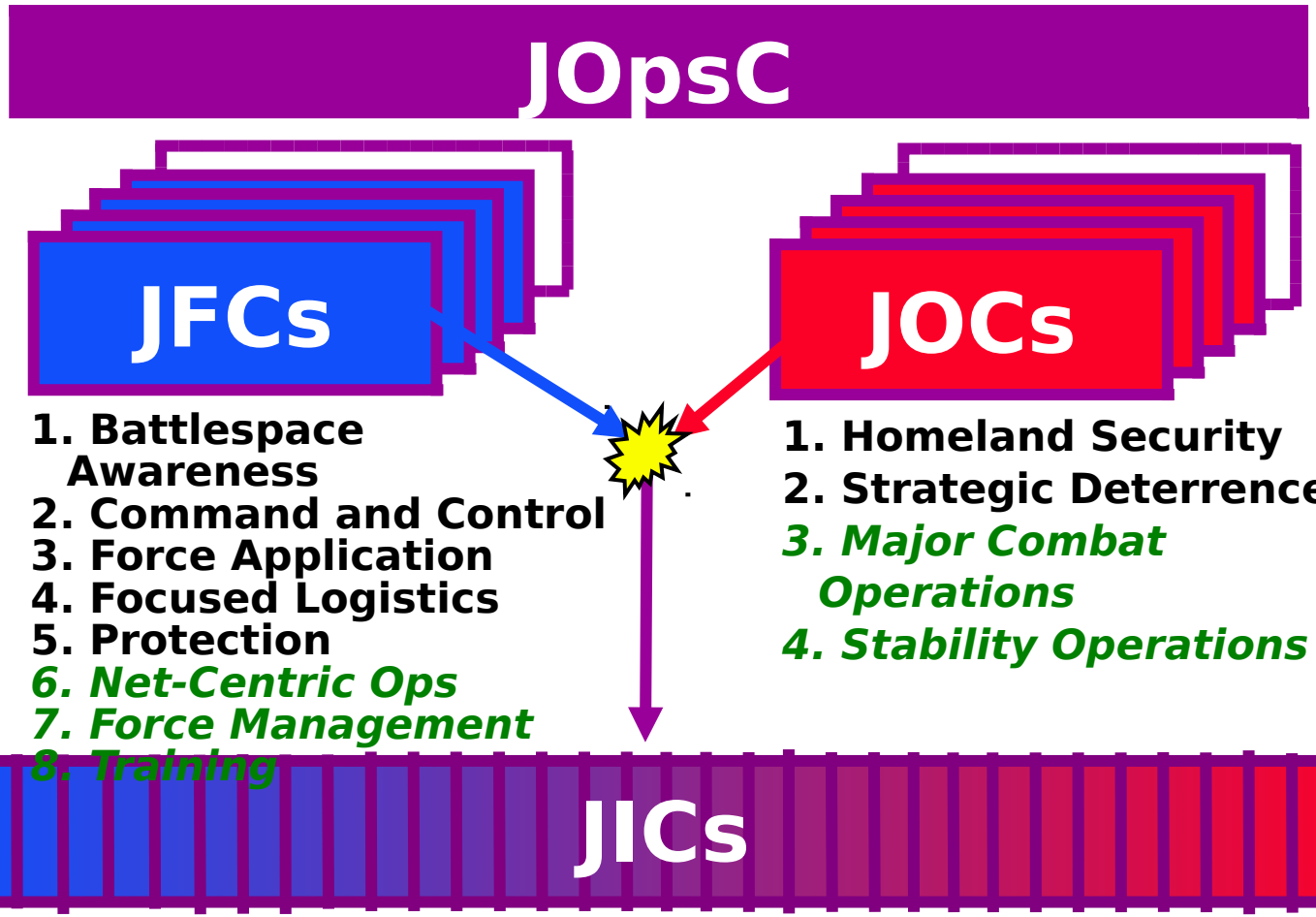
Joint Integrating Concept (JIC)

Evolved Definition:

A JIC is a description of how a Joint Force Commander 10-20 years in the future will integrate capabilities to generate effects and achieve an objective. A JIC includes an illustrative CONOPS for a specific scenario and a set of distinguishing principles applicable to a range of scenarios. JICs have the narrowest focus of all concepts and distill JOC and JFC-derived capabilities into the fundamental tasks, conditions and standards required to conduct Capabilities-Based Assessment (CBA).

JCDRP

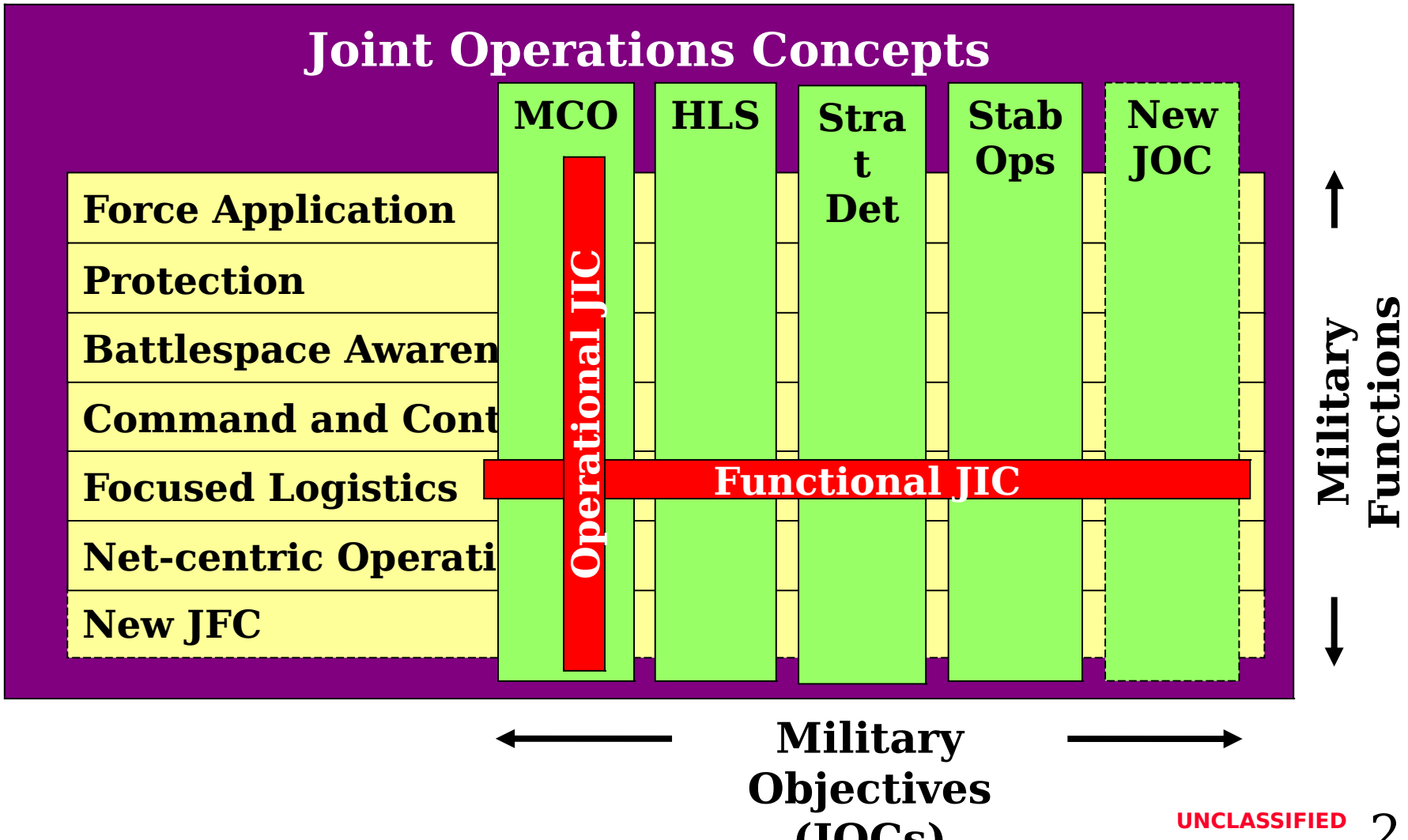
Current Joint Concepts



1. Forcible Entry Ops
2. Undersea Superiority
3. Global Strike Ops (USAF, FA FCB)
4. Sea-Basing Ops (Navy/Marines, FM FCB)
5. Air & Missile Defense (USAF, FP FCB)
6. JC2 (JFCOM, C2 FCB)
7. Joint Logistics (Army, FL FCB)

Concept Relationships

Strategy



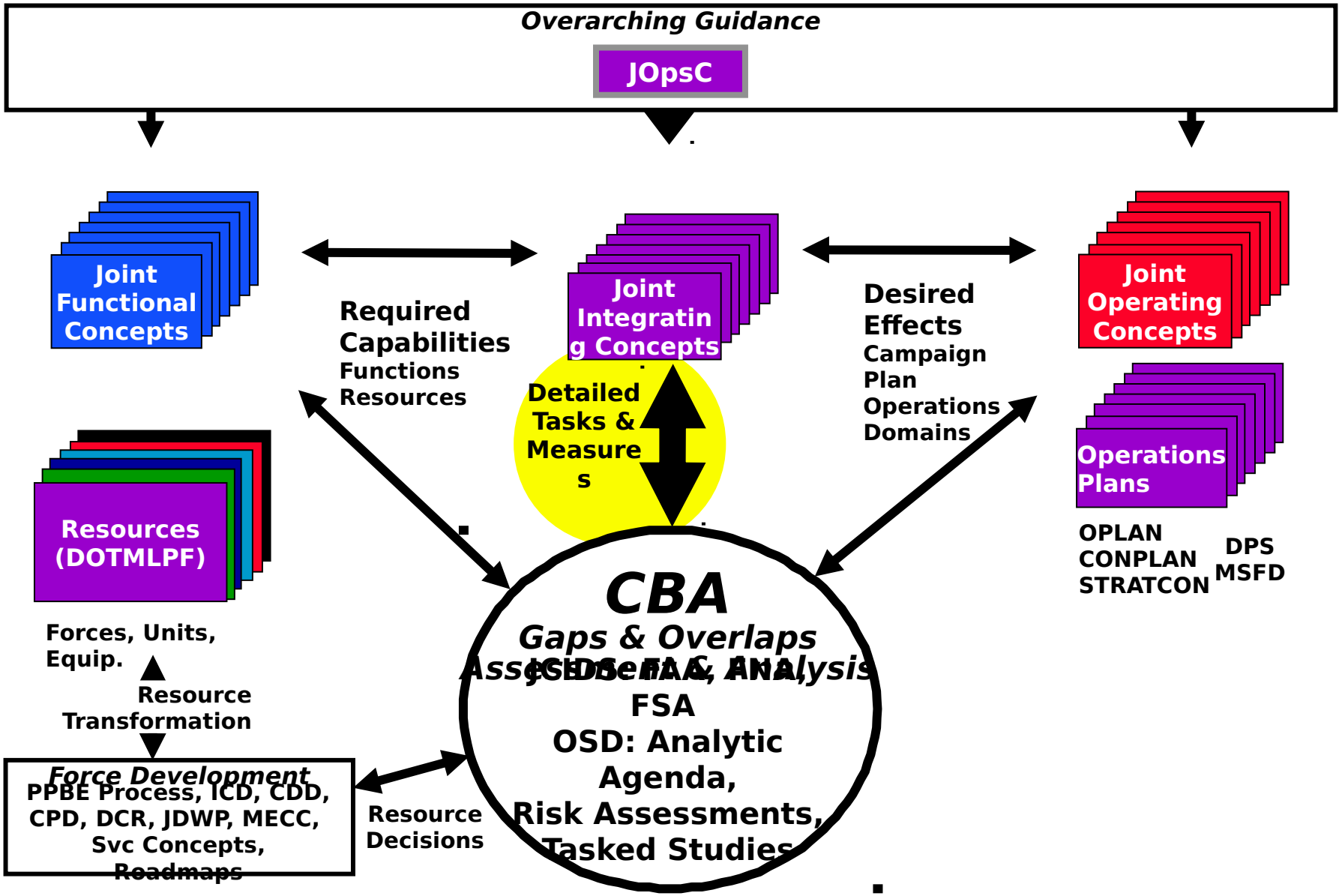
Joint Concepts Applicatio

- **Approved joint concepts may:**
  - **Be incorporated into OPLAN CONOPS**
  - **Influence Defense Planning Scenarios (DPS) CONOPS**
  - **Provide hypotheses and context for experimentation**
  - **Guide Science & Technology exploration**
  - **Provide context for Test & Evaluation**
  - **Guide future force development (JCIDS, Defense Acquisition System, PPBES, Service & Joint Transformation Roadmaps)**

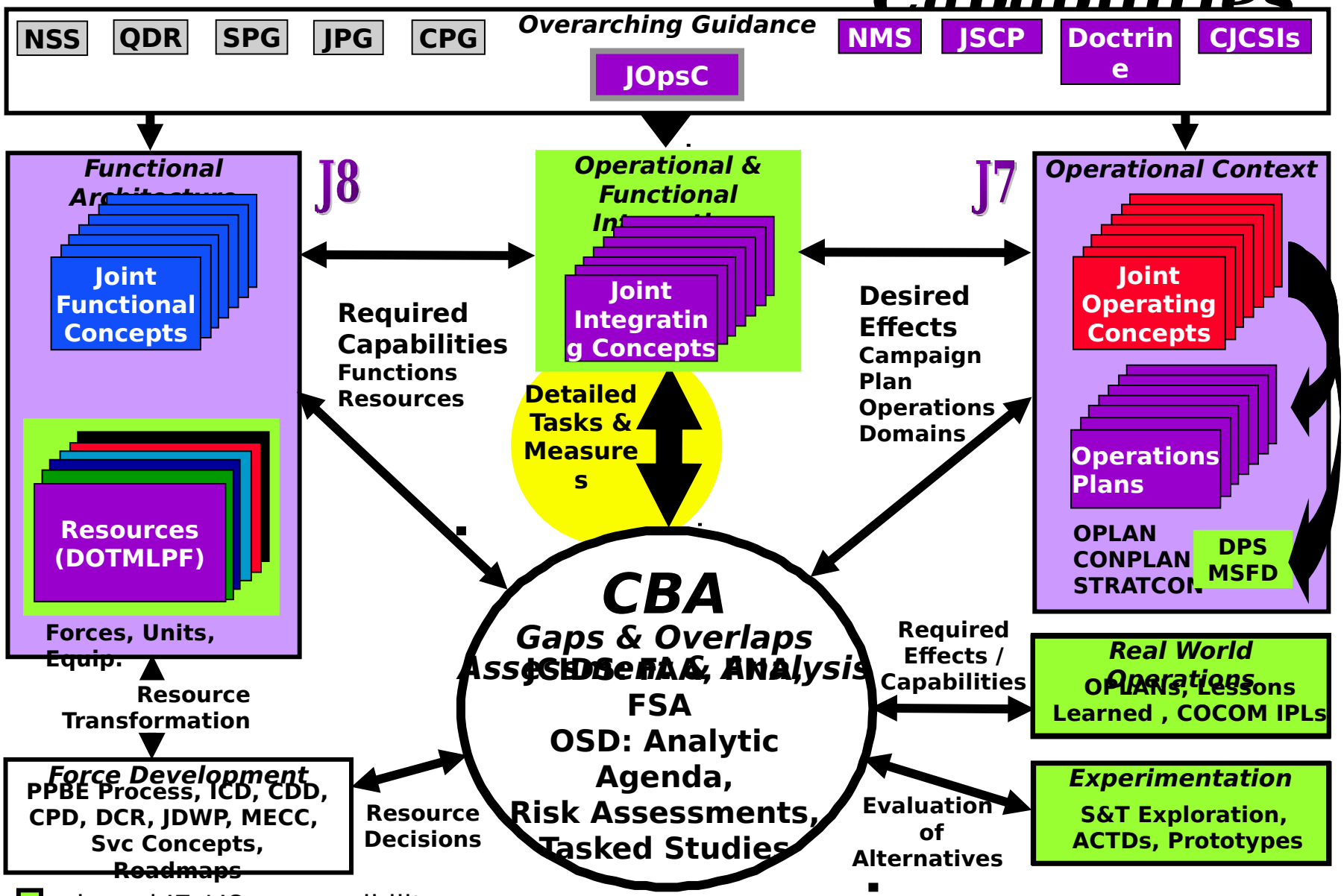
JIC Linkage to JCIDS

- **Authors deliver JICs with a detailed scenario, CONOPS, and list of tasks (with measures)**
- **Functional Capabilities Boards (FCB) perform Capabilities Based Assessment (CBA) on each JIC (one as lead, others supporting)**
- **FCBs perform data call to services to match JIC tasks to current, programmed, and planned systems**
- **FCB assesses JIC against baseline scenario provided by author, and then may run against additional scenarios (Defense Planning Scenarios) to refine the conditions and standards for each task and aggregate capability**
- **CBA output is a weighted list of capability needs, gaps, and excesses**

Concepts Linkage to JCIDS



Strategy to Concepts to Capabilities

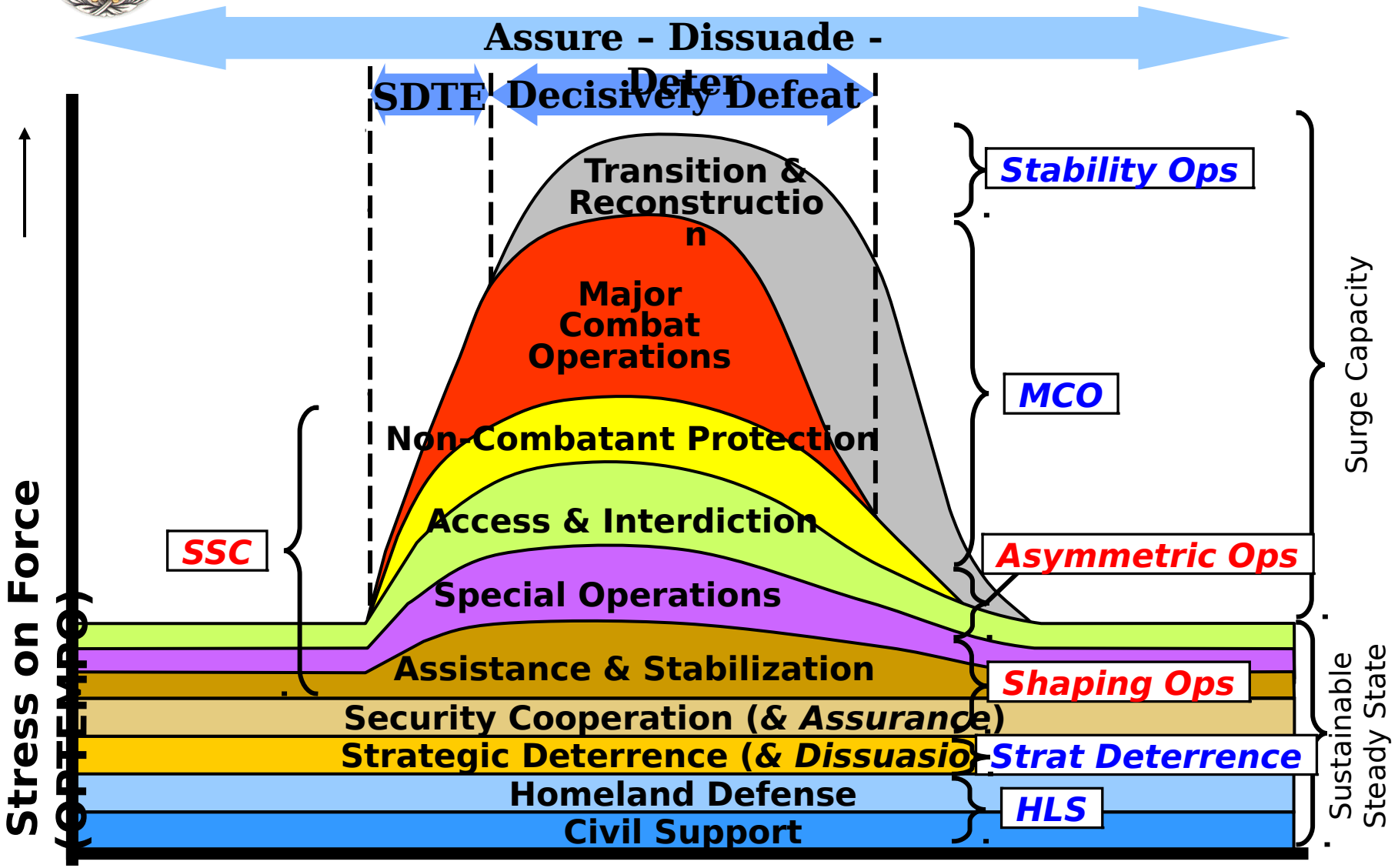


Military Capabilities

Fundamental Military Capabilities (J7)

1. Battlespace Awareness
2. C2 / NC
3. Force Application
4. Force Protection
5. Information Operations
5. Logistics
7. Force Management
8. Force Development
9. Civil Support
10. Homeland Defense
11. Strategic Deterrence
12. Security Cooperation
13. Assistance & Stabilization
14. Special Operations
15. Access & Interdiction
16. Noncombatant Protection
17. Major Combat
18. Reconstruction & Transition

Spectrum of Military Engagement



Fundamental Military Capability Examples

Functional:

1. **Battlespace Awareness** (ISR, I&W, Interrogation, Exploitation, METOC)
2. **C2 / NC** (HQs, Liaison, Info Sharing/Assurance, Planning, Rehearsing, Direction, Collaboration, Cooperation, Deconfliction as appropriate with Joint/IA/MN/Intergovernmental partners and NGOs, Networks, Comm Links)
3. **Force Application** (Kinetic & Non, Lethal & Non, Precision & Non, Tactical Mobility)
4. **Force Protection** (Mil Personnel / Infrastructure Protection, Conventional Weapons Defense, CBRNE Defense
5. **Information Operations** (PSYOPS, EW, CNO, MILDEC, OPSEC, Strategic Communication, Public Affairs, Public Information)
6. **Logistics** (Transportation, Theater/Strategic Mobility, Supply, Maintenance, Mobilization, Deployment, Prepo, Infrastructure, RSOI, Engineering, EOD, Medical, Religious Support, Contract Support)
7. **Force Management** (Title 10 Organize, Train & Equip: Operational Plans, GFMP, Posture & Presence, AC/RC, Manpower, Administration,

Operational:

9. **Civil Support** (Cont. of Government, MACA, MSCLEA, MACDIS, AT, CM,, Counter-Drug Ops)
10. **Homeland Defense** (Continuity of Operations, Securing Approaches & Territory, CIP, Population Protection, WMD Defense)
11. **Strategic Deterrence** (Dissuasion, Presence, Force Projection, Show of Force, Preemption, Global Strike, HDBT, Nuclear Options, Inducement)
12. **Shaping & Security Cooperation** (Assurance, Pol-Mil, Mil-Mil, Arms Control, Counter-Proliferation, Security Assistance, Multinational Exercises/Education/Training, Basing & Support)
13. **Assistance & Stabilization** (Peace Keeping, Peace Enforcement, Security, Foreign Humanitarian Assistance, Civil Affairs, Basic Services, Environmental Cleanup, Humanitarian De-mining, Foreign Consequence Management)
14. **Special Operations** (Unconventional Warfare, Direct Action, Counter-Terrorism, WMD Interdiction, Support to Insurgency/Counter-Insurgency, Foreign Internal Defense)
15. **Access & Interdiction** (Freedom of Navigation, LOC Protection, Operational Access, Interdiction, Blockade)
16. **Noncombatant Protection** (NEO, WMD Defense, Air & Missile Defense, Refugee & IDP Mgmt.)
17. **Major Combat** (Raids, Conventional Strikes, Personnel Recovery, Forcible Entry, Seize/Defend Territory or Domain, Counter-Force Ops, Counter-Infrastructure Ops, Counter-Regime Ops, SDTE, WD, EPW Mgmt.)

Some Suggested Capability Descriptors

Target Domain:
- **Land** (urban, jungle, desert, mountains, underground, etc.)
- **Sea** (undersea, littoral, etc.)
- **Air** (low / med / high alt; slow / fast / supersonic / hypersonic)
- **Space** (exo-atmospheric, NEO, MEO, HEO, etc.)
- **Cyberspace** (computer networks, sensors, data)
- **Human** (information, reason, passion, morale, will)

Signature:
- **Overt**
- **Covert**
- **Clandestine**

To better bound the specific capability being described.

Responsiveness to Tasking:
- **Persistent** (within 60 minutes)
- **Prompt** (within 24 hours)
- **Immediate** (within 10 days)
- **Rapid** (within 30 days)

Posture:
- **Forward Based**
- **Forward Deployed**
- **Pre-Positioned**
- **Expeditionary**
- **CONUS Deployable**
- **CONUS Dedicated**
- **Ready Reserve**
- **Mobilized Reserve**
- **Inactive Reserve**

Endurance:
- XX **Minutes**
- XX **Hours**
- XX **Days**
- XX **Weeks**
- **Indefinite**

Reach:
- **Local**
- **Homeland**
- **Intra-theater**
- **Inter-theater**
- **Global**

Environment:
- **Day / Night**
- **Weather** (winds, visibility, sea state, etc.)

Other:
- **Manned / Unmanned**

Mission Capability Package

***MCP*: a mission statement consisting of a purpose (objectives, effects, endstate) and associated tasks linked to candidate DOTMLPF resources.**

***Force Equivalency Hypothesis*: alternative force packages capable of accomplishing the same purpose (i.e., performing the same operational tasks) are equivalent capabilities. They may or may need to perform the same**

Mission Capability Package

Mission Capability ≥

Mission

- **Purpose**
- **+**
- **Tasks**

Capabilities

- **+**
- **Resources**

MCP

Desired Effect (Change to Condition, Behavior, or Degree of Freedom)					
Move Tasks	**Sense Tasks**	**Strike Tasks**	**Sustain Tasks**	**C2 Tasks**	**Protect Tasks**
Sufficient Forces / Units / Equipment					

MISSION **(JP 1-02):**

1. **The task, together with the purpose, that clearly indicates the action to be taken and the reason therefore.**

Example MCP

Protect SLOC

Mission Capability =

Purpose (Operational Task)

+

Functional Tasks

+

Resource Option A (DOTMLPF)

Desired Effect (from plan, concept, or study): **Reduced adversary anti-access / area denial ability to threaten to safe transit of shipping traffic through Strait of Hormuz.**

Operational Task(s): **OP 6.5.4 - Protect and Secure Air, Land, and Sea LOCs in the Joint Operations Area (JOA).**

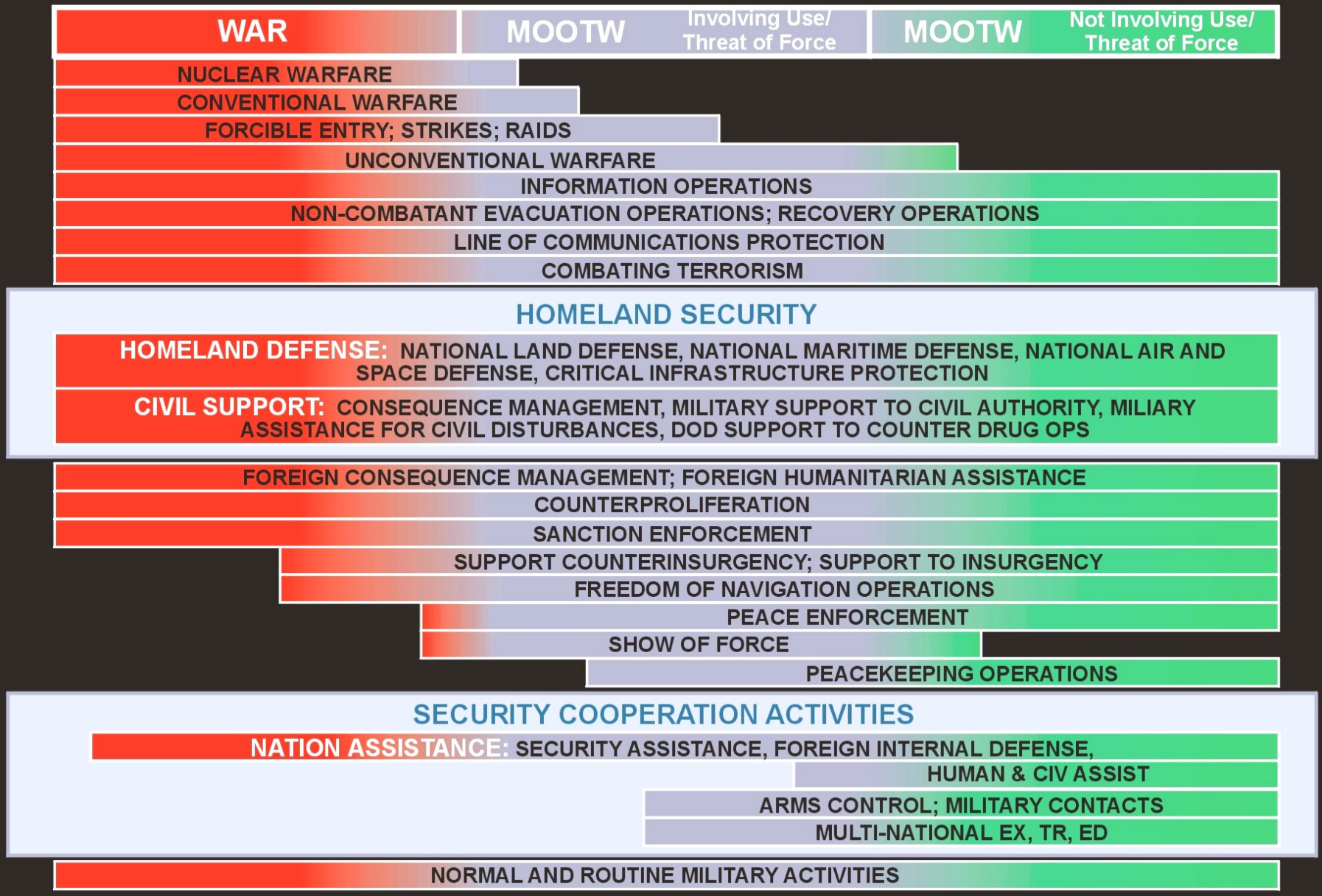
Conditions and Standards from plan, concept, or study (mission context for tasks): **Number / type of mines & subs, volume of water to be cleared, percentage of mines to be detected, time allotted to clear threat, sea state, weather, density of shipping traffic, etc.**

Move	*Sense*	*Strike*	*Sustain*	*C2*	*Protect*
OP 1.3.1 OP 1.3.2 OP 1.3.3	OP 3.1.6.1 OP 3.1.6.2 OP 3.1.6.3	OP 3.1 OP 3.2.7	OP 4.4 OP 4.5.2	OP 5.5 OP 5.7	OP 6.5.3

4 x MCM, 2 x SSN, 2 x HM, 8 x UDT, 4 x UUV (notional)

Backups

RANGE OF MILITARY OPERATIONS (ROMO)


WAR
MOOTW Involving Use/ Threat of Force
MOOTW Not Involving Use/ Threat of Force
NUCLEAR WARFARE
CONVENTIONAL WARFARE
FORCIBLE ENTRY; STRIKES; RAIDS
UNCONVENTIONAL WARFARE
INFORMATION OPERATIONS
NON-COMBATANT EVACUATION OPERATIONS; RECOVERY OPERATIONS
LINE OF COMMUNICATIONS PROTECTION
COMBATING TERRORISM
HOMELAND SECURITY
HOMELAND DEFENSE: NATIONAL LAND DEFENSE, NATIONAL MARITIME DEFENSE, NATIONAL AIR AND SPACE DEFENSE, CRITICAL INFRASTRUCTURE PROTECTION
CIVIL SUPPORT: CONSEQUENCE MANAGEMENT, MILITARY SUPPORT TO CIVIL AUTHORITY, MILIARY ASSISTANCE FOR CIVIL DISTURBANCES, DOD SUPPORT TO COUNTER DRUG OPS
FOREIGN CONSEQUENCE MANAGEMENT; FOREIGN HUMANITARIAN ASSISTANCE
COUNTERPROLIFERATION
SANCTION ENFORCEMENT
SUPPORT COUNTERINSURGENCY; SUPPORT TO INSURGENCY
FREEDOM OF NAVIGATION OPERATIONS
PEACE ENFORCEMENT
SHOW OF FORCE
PEACEKEEPING OPERATIONS
SECURITY COOPERATION ACTIVITIES
NATION ASSISTANCE: SECURITY ASSISTANCE, FOREIGN INTERNAL DEFENSE,
HUMAN & CIV ASSIST
ARMS CONTROL; MILITARY CONTACTS
MULTI-NATIONAL EX, TR, ED
NORMAL AND ROUTINE MILITARY ACTIVITIES

Functional Capabilities

Functional Capability Category Alignment			
Service Joint (JCIDS)	Army	Air Force	Navy / Marines
Battlespace Awareness	C4ISR	S&R, Intel	ISR
Command & Control	Battle Command, C4ISR	C2	COP
Force Application	Fires / Effects, Force Projection	FA, Force Projection	Fires & Maneuver, Ordnance
Protection	AAMD, SPOD/APOD Defense	Protection	Force Protection
Focused Logistics	Sustainment, CS/CSS, Basing	Sustain	Close/Assemble/ Deploy/Reconstitute, Integrated Logs, Prepo Afloat
Net-centric Ops	C4ISR	Comm	Networks
Force Management			
Training			

Fundamental Military Capability Areas

1. Battlespace Awareness
2. C2
3. NC
4. Force Application
5. Logistics
6. Force Protection
7. Force Management
8. Training
9. Strategic Deterrence
10. Homeland Defense
11. Civil Support
12. Access & Interdiction
13-15. Major Combat
(Land / Sea / Air & Space)
16. Special Operations
17. Information Operations
18. Noncombatant Protection
19. Assistance & Stabilization
20. Reconstruction & Transition
21. Shaping & Security Cooperation

Fundamental Military Capability Examples

Functional:

1. **Battlespace Awareness** (ISR, Assessment, I&W, Interrogation)
2. **C2** (Liaison, Planning, Rehearsing, Direction, Cooperation, Deconfliction as appropriate with Joint/IA/MN partners and NGOs)
3. **NC** (Info Sharing, Collaboration)
4. **Force Application** (Kinetic & Non, Lethal & Non, Precision & Non)
5. **Logistics** (Transportation, RSOI, Supply, Engineering, EOD, Medical, Religious Support)
6. **Force Protection** (military personnel, equipment, facilities)
7. **Force Management** (Title 10 Organize & Equip: GFMP, Posture & Presence, War Plans, AC/RC, Manpower, Force Structure)
8. **Training** (Title 10 Train &

Operational:

9. **Strategic Deterrence** (Presence, Force Projection, Show of Force, Preemption, Global Strike, Nuclear Options, Inducement)
10. **Homeland Defense** (Continuity of Operations, Securing Approaches & Territory, CIP, Population Protection)
11. **Civil Support** (Cont. of Government, MACA, MSCLEA, MACDIS, AT, CM, CBRNE-D, Counter-Drug Ops)
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19. **Assistance & Stabilization** (Peace Keeping, Peace Enforcement, Security, Foreign Humanitarian Assistance, Civil Affairs, Basic Services, Environmental Cleanup, Humanitarian De-mining, Foreign Consequence Management)
20. **Transition & Reconstruction** (Occupation, Nation